

Department of Commerce

Safety & Buildings Division

201 West Washington Avenue

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Madison, WI 53701-2658

Evaluation #	200247-I (Replaces 980062-I)
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Wisconsin Building Products Evaluation

Material

Corebond II Spray-Applied Polyurethane Insulation

Manufacturer

CorBond Corporation
32404 East Frontage Road
Bozeman, MT 59715

SCOPE OF EVALUATION

GENERAL: This report evaluates the use of the Corbond II spray-applied polyurethane insulation, manufactured by the Corbond Corporation. Corbond II spray-applied polyurethane insulation was evaluated for the fire safety requirements for foam plastic requirements for the code sections listed below.

This review includes the cited **Comm** code requirements below in accordance with the current **Wisconsin Uniform Dwelling Code (UDC), (for 1- and 2-family dwellings):**

- **Foam Plastic:** The Corbond II spray-applied polyurethane insulation was evaluated in accordance with the fire safety requirements of **s. Comm 21.11**.

[illegible]

This review includes the cited **International Building Code (IBC)** requirements below in accordance with the **Wisconsin Amended IBC Code (effective 7/01/02)**:

- **Foam Plastic:** The Corbond II spray-applied polyurethane insulation was evaluated in accordance with the fire safety requirements of **ss. IBC 2603.1, 2603.2, 2603.3** and **s. IBC 2603.4**.

[illegible]

DESCRIPTION AND USE

General: Corbond II is a medium density, spray-applied, rigid, closed cell foam plastic insulation material. The finished product has a trademarked, light lavender color. The tack-free time is less than 6 seconds and the cure time is 4 hours. After curing, Corbond II remains fully adhered to the framing.

The tests and results listed below cover the **Wisconsin Uniform Dwelling Code (UDC)**, (for 1- and 2-family dwellings), and the current **IBC requirements (effective July 1, 2002)**:

LIMITATIONS OF APPROVAL

- **Foam Plastic:** The Corbond II spray-applied polyurethane insulation shall be separated from the building interior with a thermal barrier as required by **s. Comm 21.11(1)**.
 1. A vapor retarder shall be provided as required under **ss. Comm 22.22(1)** and **(2)**.
 2. The 1-inch air space in cathedral ceiling assemblies normally required under **s. Comm 22.08(1)(a)2.(b)** for non-rigid insulation is not required when using Corbond II.
 3. Corbond II shall be protected from the weather after application.
 4. Application shall be done only by factory-certified applicators.
 5. The Corbond II spray-applied polyurethane insulation shall be installed in accordance with the manufacturer's installation instructions manual.
- **Thermal Performance:** The Corbond II spray-applied polyurethane insulation was **not** evaluated. Data and other requirements in accordance with the thermal performance calculation requirements of **s. Comm 22.31** will be submitted on a job-to-job-basis.
 1. The Corbond II spray-applied polyurethane insulation was **not** evaluated for compliance with the thermal requirements of **Subchapter VI, ss. Comm 22.20, 22.21, 22.23, 22.24, 22.27, 22.28, and 22.31** of the current UDC.
 2. The Corbond II spray-applied polyurethane insulation shall be identified in accordance with the requirements of **s. Comm 22.03** of the current UDC. Each marker shall face the attic access for all blown in or sprayed insulation.



- **Foam Plastic:** The Corbond II spray-applied polyurethane insulation shall be separated from the building interior with a thermal barrier as required by **s. IBC 2603.4**.
- 1. A vapor retarder shall be provided as required under **s. IBC 502.1.1 [Comm 63.0502 (1)]** and **s. IBC 802.1.2 [Comm 63.0802 (2)]**.
- 2. The 1-inch air space in cathedral ceiling assemblies normally required under **s. IBC 1202.2**, for non-rigid insulation is not required when using Corbond II.
- 3. Corbond II shall be protected from the weather after application.
- 4. Application shall be done only by factory-certified applicators.
- 5. The Corbond II spray-applied polyurethane insulation shall be installed in accordance with the manufacturer's installation instructions manual.
- 6. Foam plastic insulation under a roof assembly or roof covering that is installed in accordance with the code and the manufacturer's installation instructions shall meet the requirements of **s. IBC 2603.4.1.5**.
- **Thermal Performance:** The Corbond II spray-applied polyurethane insulation was **not** evaluated. Data and other requirements in accordance with the **IECC** as modified by **s. Comm 63.0004 (3)**, **s. IECC 502.2.1**, or **s. 502.2.2**, or **s. 502.2.3** and **s. 602.1** and **IECC Chapter 8** will be submitted on a job-to-job-basis.

1. The Corbond II spray-applied polyurethane insulation shall meet the thermal performance requirements of **Comm 63.1018(2)(b)** for all commercial uses in WI.
2. The Corbond II spray-applied polyurethane insulation was **not** evaluated for compliance with the thermal requirements of **1502.2.4.1, 502.2.4.7, 502.2.4.16, 602.1, 602.1.1, 602.1.1.2, 602.1.2**
3. The Corbond II spray-applied polyurethane insulation shall be identified in accordance with the requirements of **ss. IECC 102.4, 102.5, 102.5.1** and **s. 102.5.1.1**. Each marker shall face the attic access for all blown in or sprayed insulation.



This approval will be valid through December 31, 2007, unless manufacturing modifications are made to the product or a re-examination is deemed necessary by the department. The Wisconsin Building Product Evaluation number must be provided when plans that include this product are submitted for review.

DISCLAIMER

The department is in no way endorsing or advertising this product. This approval addresses only the specified applications for the product and does not waive any code requirement not specified in this document.

Revision Date:

Approval Date: October 28, 2002

By: _____

Lee E. Finley, Jr.
Product & Material Review
Integrated Services Bureau